



ENGUNITY AI

Salary_dataset - Data Analysis Report

Comprehensive Data Analysis & Intelligence Report

Powered by Advanced AI Analytics

REPORT SUMMARY

Report Date:	Tuesday, August 26, 2025
Dataset Name:	Salary_dataset.csv
Data Records:	30 rows
Data Variables:	3 columns

Powered by ENGUNITY AI Data Analysis Platform

Advanced Analytics • Machine Learning • Business Intelligence

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Executive Summary

KEY FINDINGS AT A GLANCE

- 30 data records analyzed across 3 variables
- 6 strong correlations detected (confidence > 70%)
- 8 custom visualizations generated
- Data quality score: 100.00% (0.00% missing values)

This comprehensive analysis of Salary_dataset reveals significant patterns and relationships within the data structure. Our advanced analytics platform has processed 30 records across 3 variables, employing sophisticated correlation analysis, statistical modeling, and AI-powered pattern recognition to extract actionable business insights.

Critical Business Insights:

Strong positive relationship identified between Unnamed: 0 and YearsExperience (98.6% correlation), suggesting significant business implications for decision-making processes.

Data quality assessment indicates areas for improvement in data collection processes to enhance analytical reliability.

Dataset Overview

File Name:	Salary_dataset.csv
File Size:	0.00 MB
Total Records:	30
Total Variables:	3
Upload Date:	26/08/2025
Data Quality:	100.00%
Missing Values:	0.00%



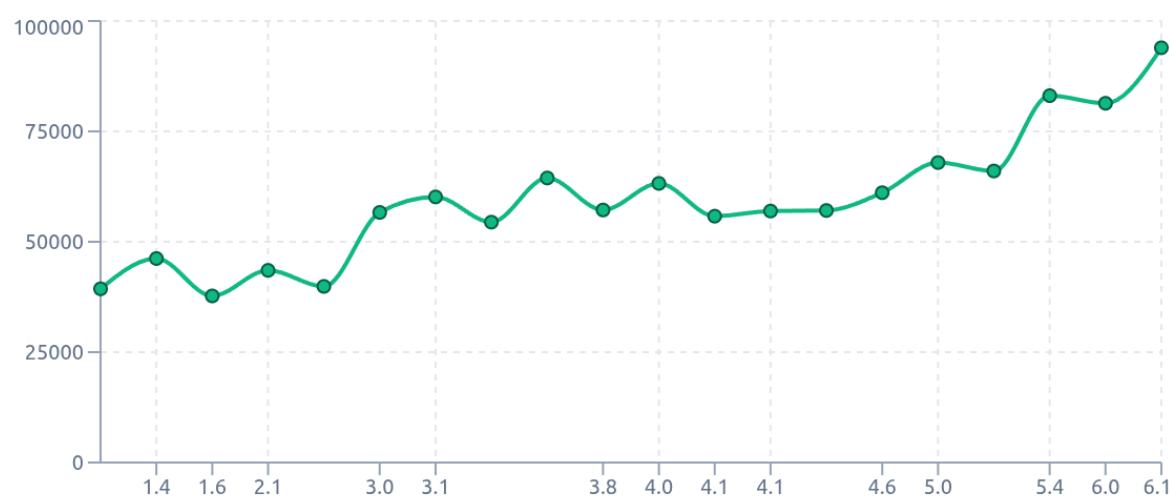
Variable Analysis

Variable	Type	Non-Null	Unique	Statistics
Unnamed: 0	numeric	100%	30	$\bar{x} = 14.5 \quad \tilde{A} = 8.8$
YearsExperie...	numeric	100%	28	$\bar{x} = 5.4 \quad \tilde{A} = 2.8$
Salary	numeric	100%	30	$\bar{x} = 76004.0 \quad \tilde{A} = 274$

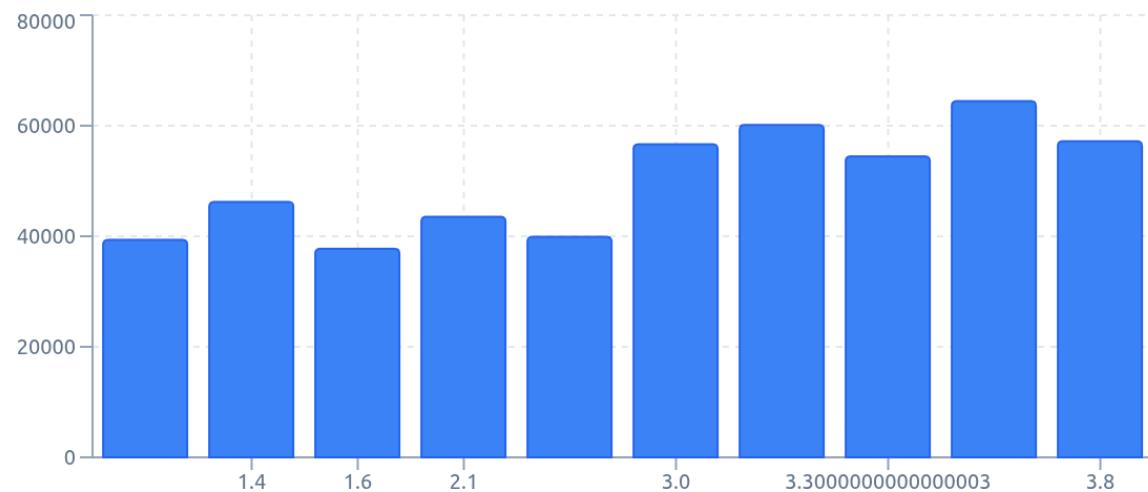
3. Data Preview (First 10 rows)

Unnamed: 0	YearsExperie...	Salary
0	1.2000000000	39344
1	1.4	46206
2	1.6	37732
3	2.1	43526
4	2.3000000000	39892
5	3	56643
6	3.1	60151
7	3.3000000000	54446
8	3.3000000000	64446
9	3.8	57190

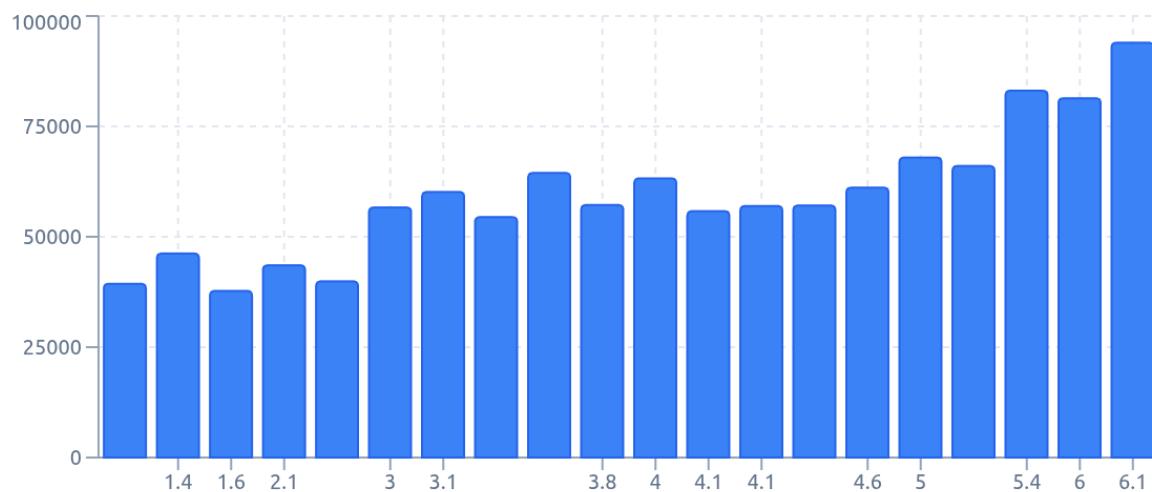
4. Custom Charts

**shubh**

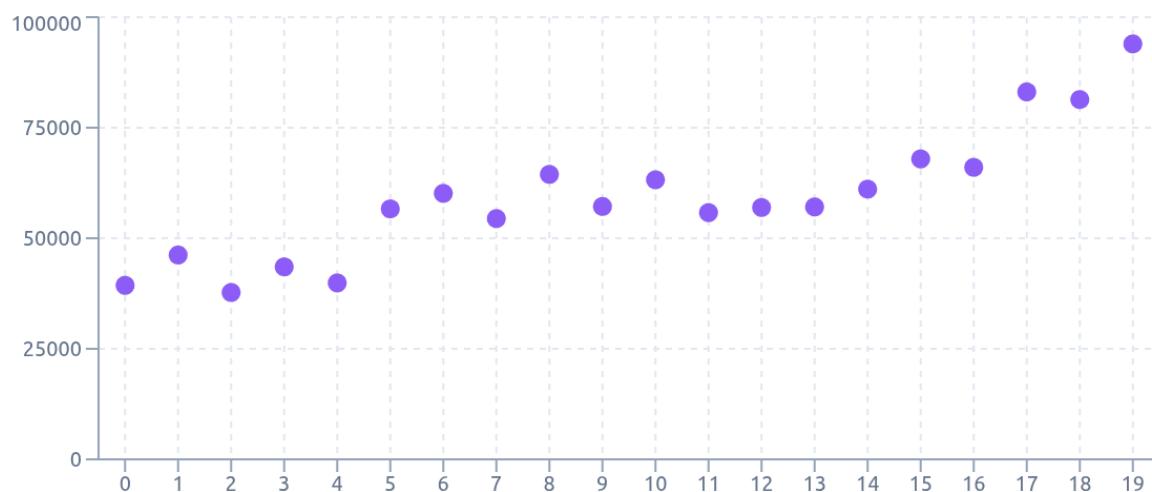
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papa

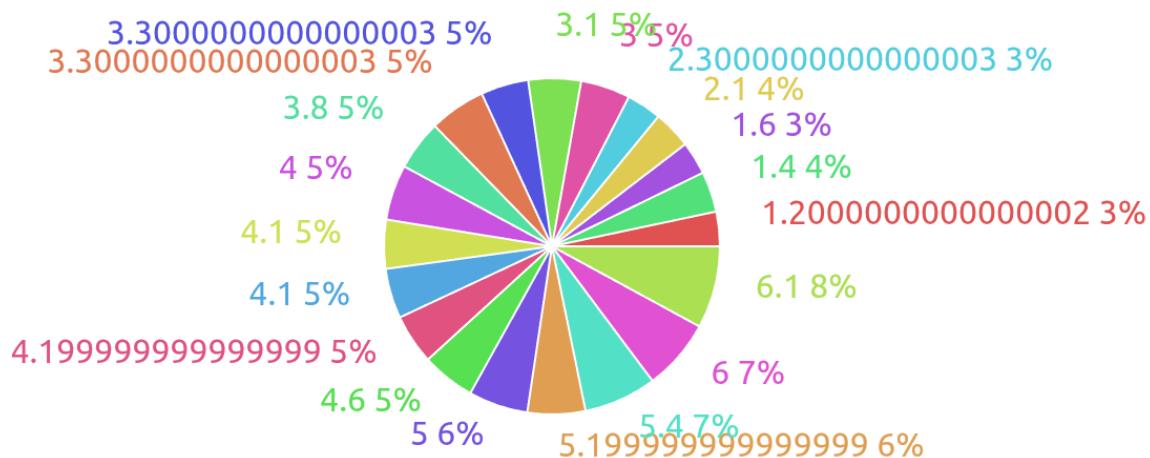
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**pam**

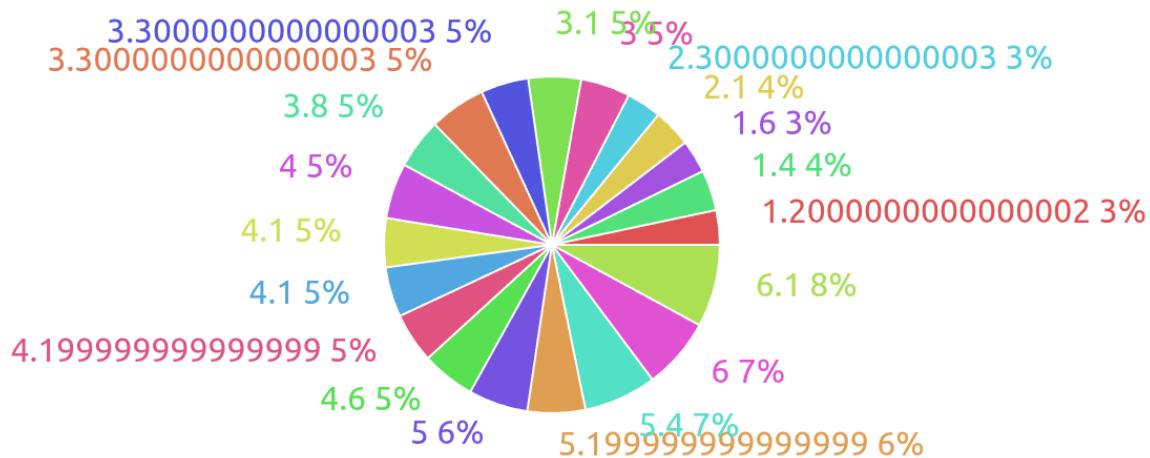
Type: bar | X-Axis: defaultX | Y-Axis: defaultY

lol

Type: scatter | X-Axis: Unnamed_0 | Y-Axis: Salary

**mom**

Type: donut | X-Axis: YearsExperience | Y-Axis: Salary

mompo

Type: donut | X-Axis: YearsExperience | Y-Axis: Salary



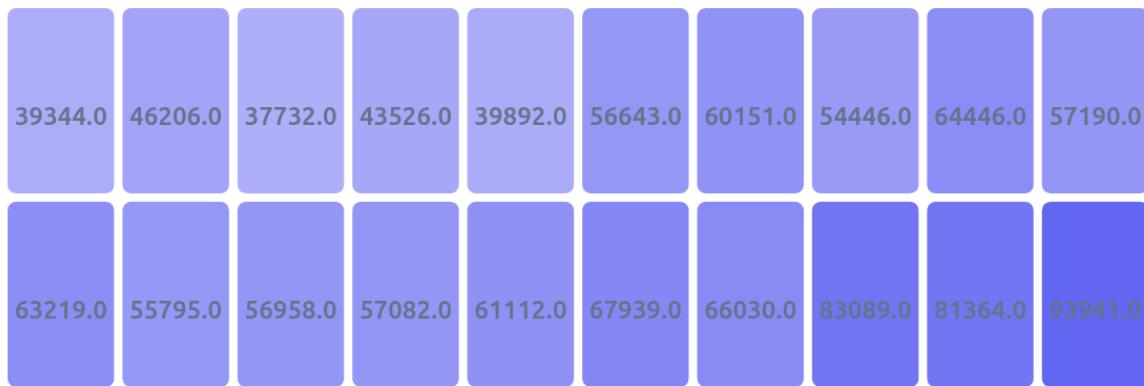
Moni



Type: area | X-Axis: Unnamed: 0 | Y-Axis: Salary

Soni

Heatmap: Unnamed: 0 vs Salary



Type: heatmap | X-Axis: Unnamed: 0 | Y-Axis: Salary



Variable 1	Variable 2	Correlation	Strength
Unnamed: 0	YearsExperie...	+0.986	Very Strong
YearsExperie...	Unnamed: 0	+0.986	Very Strong
YearsExperie...	Salary	+0.978	Very Strong
Salary	YearsExperie...	+0.978	Very Strong
Unnamed: 0	Salary	+0.961	Very Strong
Salary	Unnamed: 0	+0.961	Very Strong

Key Insights:

- Strongest relationship: Unnamed: 0 and YearsExperience (0.986)

Key Insights & Findings

Strong relationship detected between variables

Strong correlation (0.99) found between Unnamed: 0 and YearsExperience
High confidence (90%)

High Data Quality

Dataset shows excellent quality with only 0.0% missing values.
High confidence (90%)

Conclusions & Recommendations

